PTO/SB/08a (08-03)
Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 6

Complete if Known	
Application Number	10/678,839
Filing Date	October 3, 2003
First Named Inventor	Toan T. Le et al.
Art Unit	Not Yet Assigned
Examiner Name	Not Yet Assigned
Attorney Docket Number	129836

OIPE JC10 MAY 27 2004 PATENT & TRADEMARK OFFICE

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No.[1]	Document Number: Number - Kind Code[2] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
JR	AA	US-3,861,807	01/21/75	Lescrenier	
	AB	US-3,871,360	03/18/75	Van Horn et al.	
	AC	US-3,952,201	04/20/76	Hounsfield	
	AD	US-4,031,884	06/28/77	Henzel	
	AE	US-4,262,306	04/14/81	Renner	
	AF	US-4,463,425	07/31/84	Hirano et al.	
	AG	US-4,994,965	02/19/91	Crawford et al.	
	AH	US-5,080,100	01/14/92	Trotel	
	AI	US-5,271,055	12/14/93	Hsieh et al.	
	AJ	US-5,279,309	01/18/94	Taylor et al.	
	AK	US-5,295,483	03/22/94	Nowacki et al.	
	AL	US-5,315,630	05/24/94	Sturm et al.	
	AM	US-5,389,101	02/14/95	Heilbrun et al.	
	AN	US-5,394,875	03/07/95	Lewis et al.	
	AO	US-5,446,548	08/29/95	Gerig et al.	
	AP	US-5,538,494	07/23/96	Matsuda	
	AQ	US-5,582,182	12/10/96	Hillsman	
	AR	US-5,603,318	02/18/97	Heilbrun et al.	
	AS	US-5,727,554	03/17/98	Kalend et al.	
	AT	US-5,764,723	06/09/98	Weinberger et al.	
	AU	US-5,784,431	07/21/98	Kalend et al.	
	AV	US-5,823,192	10/20/98	Kalend et al.	
	AW	US-5,836,954	11/17/98	Heilbrun et al.	
	AX	US-5,954,647	09/21/99	Bova et al.	
	AY	US-6,138,302	10/31/00	Sashin et al.	
	AZ	US-6,146,390	11/14/00	Heilbrun et al.	
	BA	US-6,165,181	12/26/00	Heilbrun et al.	
	BB	US-6,185,445B1	02/06/01	Knüttel	
	BC	US-6,185,446B1	02/06/01	Carlsen, Jr.	
	BD	US-6,198,959B1	03/06/01	Wang	
	BE	US-6,370,217B1	04/09/02	Hu et al.	
	BF	US-6,621,889B1	09/16/03	Mostafavi	
	BG	2002/0023652 A1	02/28/02	Riazat et al.	
	BH	2003/0007593 A1	01/09/03	Heuscher et al.	
	BI	2003/0063292 A1	04/03/03	Mostafavi	
JR	BJ	2003/0072419 A1	04/17/03	Bruder et al.	

Examiner Signature	/John Ramirez/	Date Considered	05/12/2006

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.
[1] Applicant's unique citation designation number (optional). [2] Applicant is to place a check mark here if English language Translation is attached.
This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

PTO/SB/08a (08-03)
Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 2 of 6

Complete if Known	
Application Number	10/678,839
Filing Date	October 3, 2003
First Named Inventor	Toan T. Le et al.
Art Unit	Not Yet Assigned
Examiner Name	Not Yet Assigned
Attorney Docket Number	129836

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Foreign Patent Document: Country Code[3] - Number[4] - Kind Code[5] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T[6]
JR	BK	DE 43 41 324 A 1	06/08/95	Germany		
JR	BL	79458	09/29/89	Finland		
JR	BM	WO 98/16151	04/23/98	PCT		

NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No.[1]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T[2]
JR	BN	Peltola, Seppo M.Sc.; "Gated Radiotherapy To Compensate For Patient Breathing"; *Proceedings of the Eleventh Varian Users Meeting*; Macro Island, Florida; May 11-13, 1986.	
	BO	Mah, Katherine, et al.; "Time Varying Does Due To Respiratory Motion During Radiation Therapy Of The Thorax"; *Proceedings of the Eighth Int'l Conference on the Use of Computers In Radiation Therapy*; Toronto, Canada; July 9-12, 1984; pp. 294-298.	
	BP	Mori, Masayuki, et al.; "Accurate Contiguous Sections Without Breath-Holding On Chest CT: Value of Respiratory Gating and Ultrafast CT"; *AJR:162*, May 1994; pp. 1057-1062.	
	BQ	Robinson, Terry E., et al.; "Standardized High-Resolution CT of the Lung Using A Spirometer-Triggered Electron Beam CT Scanner"; *AJR:172*; June 1999; pp. 1636-1638.	
	BR	Luker, Gary D., et al.; "Ghosting of Pulmonary Nodules With Respiratory Motion: Comparison of Helical and Conventional CT Using an In Vitro Pediatric Model"; *AJR:167*; November 1996; pp. 1189-1193.	
	BS	Li, Debiao, et al.; "Coronary Arteries: Three-dimensional MR Imaging With Retrospective Respiratory Gating"; *Radiology*; December 1996; Vol. 201; No. 3.; pp. 857-863.	
	BT	Kachelriess, Marc, et al.; "Electrocardiogram-correlated Image Reconstruction From Subsecond Spiral Computed Tomography Scans Of The Heart"; *Med. Phys. 25(12)*; December 1998; pp. 2417-2431.	
	BU	Tada, Takuhito, et al.; "Lung Cancer: Intermittent Irradiation Synchronized With Respiratory Motion-Results Of A Pilot Study"; *Radiology*; June, 1998; Vol. 207; No. 3; pp. 779-783.	
	BV	Solberg, Timothy D., et al.; "Feasibility of Gated IMRT"; 3 pps.	
	BW	Wong, John W., et al.; "The Use Of Active Breathing Control (ABC) To Reduce Margin For Breathing Motion"; *Int. J. Radiation Oncology Biol. Phys.*; 1999; Vol. 44; No. 4; pp. 911-919.	
	BX	Mageras, Gig, et al.; "Initial Clinical Evaluation Of A Respiratory Gating Radiotherapy System"; *Dept. of Medical Physics, Memorial Sloan-Kettering Cancer Center*, New York; 4 pps.	
JR	BY	Yorke, Ellen, et al.; "Respiratory Gating Of Sliding Window IMRT"; *Dept. of Medical Physics, Memorial Sloan-Kettering Cancer Center, New York*; 4 pps.	

Examiner Signature	/John Ramirez/	Date Considered	05/12/2006

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.
[1] Applicant's unique citation designation number (optional). [2] Applicant is to place a check mark here if English language Translation is attached.
This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: **Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

PTO/SB/08a (08-03)
Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 3 of 6

Complete if Known	
Application Number	10/678,839
Filing Date	October 3, 2003
First Named Inventor	Toan T. Le et al.
Art Unit	Not Yet Assigned
Examiner Name	Not Yet Assigned
Attorney Docket Number	129836

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No.[1]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T[2]
JR	CA	Keatley, Eric, et al.; "Computer Automated Diaphragm Motion Quantification in a Fluoroscopic Movie"; *Dept. of Medical Physics, Memorial Sloan-Kettering Cancer Center*, New York; 3 pps.	
	CB	Kubo, H. Dale, et al.; "Breathing-Synchronized Radiotherapy Program at the University of California Davis Cancer Center"; *Med. Phys.* 27(2); February 2000; pp. 346-353.	
	CC	Iwasawa, Tae, et al.; "Normal In-Plane Respiratory Motion of the Bilateral Hemidiaphragms Evaluated By Sequentially Subtracted Fast Magnetic Resonance Images"; *Journal of Thoracic Imaging*; 1999; Vol. 14, No. 2; pp. 130-134.	
	CD	Kim, W.S., et al.; "Extension of Cardiac and Respiratory Motion Cycles by Use of Projection Data and Its Applications to NMR Imaging"; *Magnetic Resonance in Medicine 13*; 1990; pp. 25-37.	
	CE	Woodard, Pamela K., et al.; "Detection of Coronary Stenoses on Source and Projection Images Using Three-Dimensional MR Angiography With Retrospective Respiratory Gating: Preliminary Experience"; *AJR:170*; April 1998; No. 4; pp. 883-888.	
	CF	Sinkus, Ralph, et al.; "Motion Pattern Adapted Real-Time Respiratory Gating"; *Magnetic Resonance in Medicine 41*; 1999; pp. 148-155.	
	CG	Weiger, Markus, et al.; "Motion-Adapted Gating Based on k-Space Weighting For Reduction of Respiratory Motion Artifacts"; *Magnetic Resonance in Medicine 38*; 1997; pp. 322-333.	
	CH	Wang, Yi, et al.; "Implications For The Spatial Resolution in Coronary Imaging"; *Magnetic Resonance in Medicine 33*; 1995; pp. 713-719.	
	CI	Ritchie, Cameron J., et al.; "Predictive Respiratory Gating: A New Method To Reduce Motion Artifacts on CT Scans"; *Radiology*; 1994; pp. 847-852; Vol. 190; No. 3.	
	CJ	Kubo, H. Dale, et al.; "Potential and Role of a Prototype Amorphous Silicon Array Electronic Portal Imaging Device in Breathing Synchronized Radiotherapy"; *Med. Phys. 26(11)*; November 1999; pp. 2410-2414.	
	CK	Kubo, Hideo D., et al.; "Respiration Gated Radiotherapy Treatment: A Technical Study"; *Phys. Med. Biol.* (1998) Vol. 41; pp. 83-91.	
	CL	J.M. Balter et al.; "Uncertainties In CT-Based Radiation Therapy Treatment Planning Associated With Patient Breathing"; *Int. J. Radiat. Oncol., Biol., Phys.* 36; pp. 167-174 (August 1996).	
	CM	S.C. Davies et al.; "Ultrasound Quantitation Of Respiratory Organ Motion In The Upper Abdomen"; *Br. J. Radiol.* 67; pp. 1096-1102 (November 1994).	
	CN	R.L. Ehman et al.; "Magnetic Resonance Imaging With Respiratory Gating: Techniques and Advantages"; *Am. J. Roentgenol* 143; pp. 1175-1182 (December 1984).	
↓	CO	H. Frölich et al.; "A Simple Device For Breath-Level Monitoring During CT"; *Radiology* 156; p. 235 (July 1985).	
JR	CP	R.M. Henkelman et al.; "How Important Is Breathing In Radiation Therapy Of The Thorax?"; *Int. J. Radiat. Oncol., Biol., Phys.* 8; pp. 2005-2010 (November 1982).	

Examiner Signature	/John Ramirez/	Date Considered	05/12/2006

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.
[1] Applicant's unique citation designation number (optional). [2] Applicant is to place a check mark here if English language Translation is attached.
This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: **Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

PTO/SB/08a (08-03)
Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 4 of 6

Complete if Known	
Application Number	10/678,839
Filing Date	October 3, 2003
First Named Inventor	Toan T. Le et al.
Art Unit	Not Yet Assigned
Examiner Name	Not Yet Assigned
Attorney Docket Number	129836

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No.[1]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T[2]
JR	CQ	M.B.M. Hofman et al.; "MRI Of Coronary Arteries: 2D Breath-Hold vs. 3D Respiratory-Gated Acquisition"; *J. of Comp. Assisted Tomography* 19; pp. 56-62 (Jan./Feb. 1995).	
	CR	G.J. Kutcher et al.; "Control; Correction, and Modeling Of Setup Errors and Organ Motion", *Semin. Radiat. Oncol.* 5; pp. 134-145 (April 1995).	
	CS	J. Hanley et al.; "Deep Inspiration Breath-Hold Technique For Lung Tumors: The Potential Value of Target Immobilization And Reduced Lung Density In Dose Escalation"; *Int. J. Radiat. Oncol., Biol. Phys.* 45; pp. 603-611 (October 1999).	
	CT	L.S. Johnson et al.; "Initial Clinical Experience With A Video-Based Patient Positioning System"; *Int. J. Radiat. Oncol. Biol. Phys.* 45; pp. 205-213; (August 1999).	
	CU	H.W. Korin et al.; "Respiratory Kinematics Of The Upper Abdominal Organs: A Quantitative Study"; *Magn. Reson. Med.* 23; pp. 172-178 (January 1992).	
	CV	H.D. Kubo et al.; "Respiration Gated Radiotherapy Treatment: A Technical Study"; *Phys. Med. Biol.* 41; pp. 83-91; (1996).	
	CW	H.D. Kubo et al.; "Potential And Role Of A Prototype Amorphous Silicon Array Electronic Portal Imaging Device In Breathing Synchronized Radiotherapy"; *Med. Phys.* 26; pp. 2410-2414; (November 1999).	
	CX	C.E. Lewis et al.; "Comparison Of Respiratory Triggering And Gating Techniques For The Removal Of Respiratory Artifacts In MR Imaging"; *Radiology* 160; pp. 803-810; (September 1986).	
	CY	D. Li et al.; "Coronary Arteries: Three-Dimensional MR Imaging With Retrospective Respiratory Gating"; *Radiology* 201; pp. 857-863 (December 1996).	
	CZ	M.A. Moerland et al.; "The Influence Of Respiration Induced Motion Of The Kidneys On The Accuracy Of Radiotherapy Treatment Planning, A Magnetic Resonance Imaging Study", *Radiotherapy Oncol.* 30, pp. 150-154 (1994).	
	DA	K. Ohara et al.; "Irradiation Synchronized With Respiration Gate"; *Int. J. Radiat. Oncol., Biol. Phys.* 17; pp. 853-857; (October 1989).	
	DB	J.N. Oshinski et al.; "Two-Dimensional Coronary MR Angiography Without Breath Holding"; *Radiology* 201; pp. 737-743; (December 1996).	
	DC	C.R. Ramsey et al.; "A Comparison Of Beam Characteristics For Gated And Nongated Clinical X-Ray Beams"; *Med. Phys.* 26; pp. 2086-2091; (October 1999).	
	DD	C.R. Ramsey et al.; "Clinical Efficacy Of Respiratory Gated Conformal Radiation Therapy", *Medical Dosimetry* 24; pp. 115-119; (1999).	
↓	DE	F. Lethimonnier et al.; "Three-Dimensional Coronary Artery MR Imaging Using Prospective Real-Time Respiratory Navigator and Linear Phase Shift Processing: Comparison With Conventional Coronary Angiography", *Magn. Reson. Imaging* 17; pp. 1111-1120; (1999).	
JR	DF	R.J. van Geuns et al.; "Magnetic Resonance Imaging Of The Coronary Arteries: Clinical Results From Three Dimensional Evaluation Of A Respiratory Gated Technique"; *Heart* 82; pp. 515-519; (October 1999).	

Examiner Signature	/John Ramirez/	Date Considered	05/12/2006

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.
[1] Applicant's unique citation designation number (optional). [2] Applicant is to place a check mark here if English language Translation is attached.
This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: **Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

PTO/SB/08a (08-03)
Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 5 of 6

Complete If Known	
Application Number	10/678,839
Filing Date	October 3, 2003
First Named Inventor	Toan T. Le et al.
Art Unit	Not Yet Assigned
Examiner Name	Not Yet Assigned
Attorney Docket Number	129836

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No.[1]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T[2]
JR	DG	C.J. Ritchie et al.; "Predictive Respiratory Gating: A New Method To Reduce Motion Artifacts On CT Scans"; *Radiology* 190; pp. 847-852; (March 1994).	
	DH	R.D. Rogus et al.; "Accuracy Of A Photogrammetry-Based Patient Positioning and Monitoring System For Radiation Therapy"; *Med. Phys.* 26; pp. 721-728; (May 1999).	
	DI	K. Cho et al.; "Development Of Respiratory Gated Myocardial SPECT System", *J. Nucl. Cardiol.* 6; pp. 20-28; (Jan./Feb. 1999).	
	DJ	C.S. Ross et al.; "Analysis Of Movement Of Intrathoracic Neoplasms Using Ultrafast Computerized Tomography"; *Int. J. Radiat. Oncol., Biol., Phys.* 18; pp. 671-677; (March 1990).	
	DK	V.M. Runge et al.; "Respiratory Gating In Magnetic Resonance Imaging at 0.5 Tesla"; *Radiology* 151; pp. 521-523; (May 1984).	
	DL	T.S. Sachs et al.; "Real-Time Motion Detection In Spiral MRI Using Navigators", *Magn. Reson. Med.* 32; pp. 639-645; (November 1994).	
	DM	L.H. Schwartz et al.; "Kidney Mobility During Respiration"; *Radiother. Oncol.* 32; pp. 84-86; (1994).	
	DN	M. Paivansalo Suramo et al.; "Cranio-caudal Movements Of The Liver, Pancreas And Kidneys In Respiration", *Acta Radiol. Diagn.* 2; pp. 129-131; (1984).	
	DO	C.R. Ramsey et al.; "Clinical Efficacy Of Respiratory Gated Conformal Radiation Therapy"; *Med. Dosim.* 24; pp. 115-119; (1999).	
	DP	J.W. Wong et al.; "The Use Of Active Breathing Control (ABC) To Reduce Margin For Breathing Motion"; *Int. J. Radiat. Oncol., Phys.* 44; pp. 911-919; (July 1999).	
	DQ	H.D. Kubo et al.; "Compatibility Of Varian 2100C Gated Operations With Enhanced Dynamic Wedge And IMRT Dose Delivery"; *Med. Phys.* 27; pp. 1732-1738; (August 2000).	
	DR	H. Shirato et al.; "Four-Dimensional Treatment Planning And Fluroscopic Real-Time Tumor Tracking Radiotherapy For Moving Rumor"; *Int. J. Radiat. Oncol., Biol., Phys.* 48; pp. 435-442; (September 2000).	
	DS	N.G. Bellenger et al.; "Left Ventricular Quantification In Heart Failure By Cardiovascular MR Using Prospective Respiratory Navigator Gating: Comparison With Breath-Hold Acquisition"; *J. Magn. Reson. Imaging* 11; pp. 411-417; (April 2000).	
	DT	Q. Yuan et al.; "Cardiac-Respiratory Gating Method For Magnetic Resonance Imaging Of The Heart"; *Magn. Reson. Med.* 43; pp. 314-318; (February 2000).	
↓	DU	K.E. Rosenzweig et al.; "The Deep Inspiration Breath Hold Technique In The Treatment Of Inoperable Non-Small Cell Lung Cancer"; *Int. J. Radiat. Oncol., Biol., Phys.* 48; pp. 81-87; (August 2000).	
JR	DV	D. Mah et al.; "Technical Aspects Of The Deep Inspiration Breath Hold Technique In The Treatment Of Thoracic Cancer"; *Int. J. Radiat. Oncol., Biol., Phys.* 48; pp. 1175-1185; (November 2000).	

Examiner Signature	/John Ramirez/	Date Considered	05/12/2006

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.
[1] Applicant's unique citation designation number (optional). [2] Applicant is to place a check mark here if English language Translation is attached.
This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: **Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

PTO/SB/08a (08-03)
Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 6 of 6

Complete If Known	
Application Number	10/678,839
Filing Date	October 3, 2003
First Named Inventor	Toan T. Le et al.
Art Unit	Not Yet Assigned
Examiner Name	Not Yet Assigned
Attorney Docket Number	129836

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No.[1]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T[2]
JR	DW	G.S. Mageras et al.; "Respiratory Motion-Induced Treatment Uncertainties"; *Patras Medical Physics 99 – VI International Conference On Medical Physics, Monduzzi Editore*; pp. 33-39; (September 1999).	
	DX	G.S. Mageras; "Interventional Strategies For Reducing Respiratory-Induced Motion In External Beam Therapy"; *The Use of Computers In Radiation Therapy XIIIth International Conference, Heidelberg, Germany*; pp. 514-516; (May 2000).	
	DY	S. Malone et al.; "Respiratory-Induced Prostate Motion: Quantification And Characterization", *Int. J. Radiat. Oncol., Biol., Phys.* 48; pp. 105-109; (August 2000).	
	DZ	G. Mageras et al.; "Initial Clinical Evaluation Of A Respiratory Gating Radiotherapy System"; *22nd Annual EMBS International Conference, Chicago, IL.*; pp. 2124-2127; (July 23-28, 2000).	
	EA	Ellen Yorke et al.; "Respiratory Gating Of Sliding Window IMRT"; *22nd Annual EMBS International Conference, Chicago, IL.*; pp. 2118-2121; (July 23-28, 2000).	
	EB	Jolesz, Ferenc M.D., et al.; "Image-Guided Procedures And The Operating Room Of The Future"; *Radiology; SPL Technical Report #48*; May 1997; 204:601-612.	
	EC	Mostafavi, Hassan; "Overview of Post-Processing Algorithm to Create Volumetric Motion Sequences"; Varian Medical Systems, Inc.; May 2, 2002	
JR	ED	Mostafavi, Hassan; "Method and System for Radiation Application"; Application No.: 10/678,741; Filed October 3, 2003; Attorney Docket No. VM7012094003; Specification 63 pgs.: Claims 9 pgs; Abstract 1 pg; Drawings 20 pgs.	

Examiner Signature	/John Ramirez/	Date Considered	05/12/2006

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.
[1] Applicant's unique citation designation number (optional). [2] Applicant is to place a check mark here if English language Translation is attached.
This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: **Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

IDS - 10/03/2003

Express Mail No. EV 299866425 US

Please Type a plus sign (+) inside this box → +

PTO/SB/08A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: US DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application Number	
				Filing Date	
				First Named Inventor	Toan T. LE et al.
(use as many sheets as necessary)				Group Art Unit	
				Examiner Name	
Sheet	1	of	1	Attorney Docket Number	129836

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	U.S. Patent Document Number	Kind Code[2] (if known)	Name of Patentee or Applicant Of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
JR	AA	6,621,889 B1		Mostafavi	09-16-2003	
	AB	2003/0072419 A1		Bruder et al.	04-17-2003	
	AC	2003/0063292 A1		Mostafavi	04-03-2003	
	AD	2003/0007593 A1		Heuscher et al.	01-09-2003	
	AE	6,370,217 B1		Hu et al.	04-09-2002	
	AF	2002/0023652 A1		Riaziat et al.	02-28-2002	
	AG	5,727,554		Kalend et al.	03-17-1998	
	AH	3,952,201		Hounsfield	04-20-1976	
JR	AI	09/893,122		Mostafavi	06-26-01(filing date)	
	AJ					
	AK					
	AL					
	AM					
	AN					
	AO					
	AP					
	AQ					
	AR					
	AS					
	AT					

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Foreign Patent Document Office[3]	Number[4]	Kind Code[5] (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T[6]
	FA							
	FB							
	FC							
	FD							
	FE							
	FF							
	FG							

Examiner Signature	/John Ramirez/	Date Considered:	05/12/2006

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1]Unique citation designation number. [2]See Attached Kinds of U.S. Patent Documents. [3]Enter Office that issued the document, by the two-letter code (WSIPO Standard ST.3). [4]For Japanese patent documents, the indication of the year of the reign of the Emperor must preceded the serial number of the patent document. [5]Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. [6]Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, D.C. 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.